Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/02/2018 11:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125520	0	1.75	125349	1.76
Blue	F	SSC	125000	123030	-2	3.69	123236	3.51
Blue	E	FITC	23615	22819	-4	2.76	1024	10.67
Blue	D	PE	26739	26310	-2	2.27	947	10.28
Blue	B	PerCP-Cy5-5	48339	47309	-3	3.75	1364	17.62
Blue	A	PE-Cy7	45021	45161	0	5.45	703	36.71
Red	C	APC	53064	52094	-2	2.84	2970	9.95
Red	A	APC-Cy7	57175	56772	-1	2.86	1201	11.52
Violet	B	V450	14728	14309	-3	4.65	682	9.49
Violet	A	V500	58621	57498	-2	4.53	2543	6.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19393	2.67	611	-3	N/A	N/A	Pass
Blue	F	SSC	60791	1.63	556	10	N/A	N/A	Pass
Blue	E	FITC	112	40.59	547	-1	0.0191	156	Pass
Blue	D	PE	207	30.61	539	3	0.1489	262	Pass
Blue	B	PerCP-Cy5-5	213	46.62	637	2	0.0092	87	Pass
Blue	A	PE-Cy7	76	122.25	697	4	0.011	13	Pass
Red	C	APC	341	28.84	603	6	0.0182	24	Pass
Red	A	APC-Cy7	130	42.36	586	6	0.0051	1810	Pass
Violet	B	V450	83	42.83	466	-4	0.0437	1882	Pass
Violet	A	V500	185	22.24	493	-4	0.014	212	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.81	-31.37	0.93
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	16.02	14.40 - 21.60	N/A	N/A	31.09	31.41	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9898

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments